

# AQUALOG

A hermetically sealed all-in-one data logging solution for harsh environments.



**AQUA  
POWER**  
Technologies



## Highlights

- IP68 submersible to 10 meters.
- Highly customizable platform.
- Multiple options for mounting.
- Log 9 DOF motions to SD card.
- Extensive example code available.
- Accepts a variety of D cell voltages.
- Programmable using Arduino IDE.

## Overview

AQUALOG is a hermetically sealed data logger, designed to be deployed in harsh environments. As standard, the data logger is supplied with a Bosch BNO055 9 degrees of freedom sensor and an Arduino MKRZero, which provides a robust and simple solution to logging inertial measurements. The configuration of the battery skeleton and the boost voltage converter enables D cell batteries ranging from 1.2v (NiMH) through to 3.6v (Lithium Thionyl Chloride) to be used, providing plenty of options to power AQUALOG.

AQUALOG can also be supplied as a naked system, which enables customers to make custom top boards for other applications, while still continuing to take advantage of the hermitically sealed housing and battery skeleton.

## Technical Specification

Mass In Air: 4.97kg  
Dimensions: 125mm x 338mm

## Build Options

System: Complete, Naked  
Batteries: NiMH, Lithium Chloride, Alkaline

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